progress continues on work to prepare

the Orion spacecraft for next year's flight test happy Anniversary to the ISS

and the MAVEN spacecraft is on its way to Mars those are some of the stories trending this week at NASA the Mars atmosphere and volatile evolution or maven spacecraft launched from cape canaveral air force station in florida on a ten-month journey to mars maven will take critical measurements of the Martian upper atmosphere to investigate how loss of the atmosphere to space impacted the history of water on the
planet's surface November 20th marked

the 15th anniversary of the launch of

zaria the International Space Station's first module the station's first crew arrived a couple of years later since

then humans have continuously conducted research on technologies will need for

future admissions to deep space during a public workshop at Houston's lunar and planetary institute NASA examines some recently submitted ideas about how to respond to asteroid threats and identify capture and relocate near-earth asteroids for study some of the ideas
will be considered as NASA refines future plans of its asteroid initiative

flight controllers for nasa's lunar atmosphere and dust environment Explorer mission confirmed that the ladee spacecraft has begun the science phase of its mission analyzing lunar dust particles while orbiting the moon to help better understand other planetary bodies in the solar system NASA Administrator Charlie Bolden and others checked out work underway at Kennedy Space Center to prepare the Orion spacecraft for its flight tests next
September meanwhile a successful separation test of Orion's protective fairing panels at Lockheed Martin and at Marshall Space Flight Center some special paint for the adapter that will connect Orion to a delta 4 rocket will provide protection from electrical discharge during the flight test and the arrival of a device designed to repel hot gases away from Orion on its way to space at Dryden Flight Research Center and fa 18 was used to test an autonomous flight control system for NASA's Space Launch System rocket the autopilot system known as the adaptive
main controller will enable the SLS to respond to post launch environmental variations and winds or vehicle.

flexibility the system should be ready for the Rockets 2017 flight test NASA issued a final request for proposals for its new commercial crew transportation capability contract cct cap is meant to ensure commercial companies meet safety requirements for transporting NASA crews from US soil to the International Space Station the procurement phase is expected to include crude demonstration missions to the ISS before 2017 among
the group of satellites launched on an
air force Minotaur one rocket from
Wallops Flight Facility
nineteenth for NASA's PhoeniSat 2 and TJ
CubeSat built by high school students
students from Thomas Jefferson School of
Science and Technology near Washington
built TJ CubeSat during a white house
ceremony late NASA astronaut Sally Ride
was one of 16 people awarded the
presidential medal of freedom
first American woman in space ride also
was a passionate advocate for education

and that's what's up this week @nasa for

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